

# CookBook : Your Virtual Kitchen Assistant

## Introduction

Project Title: Cook book

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## Project Overview

Purpose: To create an intuitive digital ewcipe book app that allows users to browse, view, and manage recipes efficiently.

Features:

- Browse various recipes by category.
- Detailed recipe view with ingredients and steps.
- Image gallery for each recipes.
- Search functionality.

## Architecture

Component Structure: Header, recipe list, recipe card, recipe details, search bar, State Management: React's Context API for global state and bookmarks.

Routing: react router for navigation between recipe list and recipe details.

## Setup Instructions

Prerequisites: Node.js, npm    Installation:

1. Clone the repository
2. Navigate to the project folder
3. Install dependencies with npm install
4. Start the development server with npm start
5. Open <http://localhost:3000> in a browser

## Folder Structure

```
/cookbook-appreact
rc/
|
```

```
├─ components/
│   ├─ Header.jsx
│   ├─ RecipeCard.jsx
│   ├─ SearchBar.jsx
│   └─
ThemeToggle.jsx
├─
├─ pages/
│   ├─ Home.jsx
│   └─
RecipeDetails.jsx
├─
├─ context/
│   └─
ThemeContext.jsx
├─
└─ assets/
    └─ images/
```

## Running the Application Command:

npm start

## Component Documentation

Key Components: Navbar, recipecard, searchbar, themetoggle, recipe details. Reusable Components: Buttons, Cards

## State Management

Global State: Managed using React Context API Local State:  
Managed using useState hooks

## User Interface

Screenshots or GIFs of UI showcasing landing page, search, and recipe details

## Styling

CSS Frameworks: Tailwind CSS, React Icons

Theming: Light/Dark mode toggle, Custom color schemes

# Testing

Testing Strategy: Unit Testing with Jest, Integration

Code Coverage: Ensured with Jest coverage reports

## Screenshots or Demo

DemoLink:<https://drive.google.com/file/d/1OvmY4EVniolE4yQD1e2Hwcww56n3Ki6X/view?usp=sharing>:

## Known Issues

-Missing pagination in recipe list view -

No authentication feature.

## Future Enhancements

-User sign-in to save custom recipes.

-Share recipes via social media